



# Sandisk Sansa m230 Series mp3 player

## Microphone Replacement

Can you no longer make voice recordings? Does your device only record silence or a dull humming noise? Likely your microphone is broken or has malfunctioned. To replace, follow the steps in this guide.

Written By: James Thorne



## INTRODUCTION

To replace a faulty microphone follow the steps in this guide. This may be your only option if you find yourself unable to make voice recordings anymore with your device.



### TOOLS:

- [Phillips #0 Screwdriver](#) (1)
- [Soldering Workstation](#) (1)
- [iFixit Opening Tools](#) (1)



### PARTS:

- [Sandisk Sansa m230 Series mp3 player replacement microphone](#) (1)
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## Step 1 — Sandisk Sansa m230 Series mp3 player Teardown



- Locate and remove the screw on the bottom of the device. The screw is next to the battery compartment lid.

## Step 2




- Remove the battery compartment cover.
- Then remove the battery. You'll need both the cover and the battery out of the way in the next step.

## Step 3



- Now gently pry the two halves of the case apart.
- There are several interlocking pegs located along the edge of the device's casings. These are all that hold the two halves of the case together, barbaric though that may sound.
- Pry the pegs apart one at a time, working your way around the case.

 Be careful when prying apart the pegs: they are made of plastic, and you don't want to break them.

## Step 4



- The two halves of the case won't want to be separated at first. That's because the battery contact springs are in the way.
- Push the battery contact springs down through their respective holes in the case. Now the case will come away freely.



## Step 5 — Remove battery compartment cover and battery



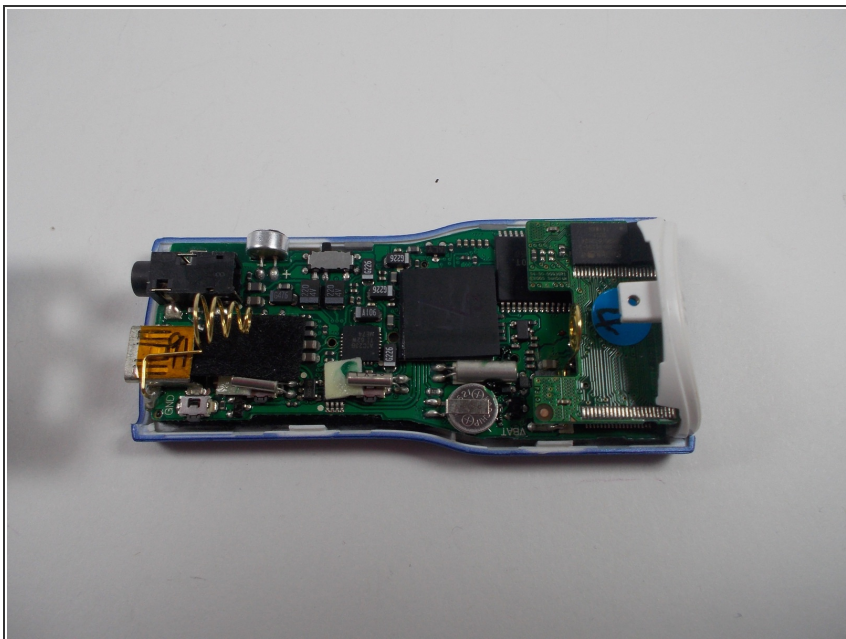
- Remove the cover to the battery compartment.
- Remove the battery. You'll need both cover and battery out of the way for the next step.

## Step 6



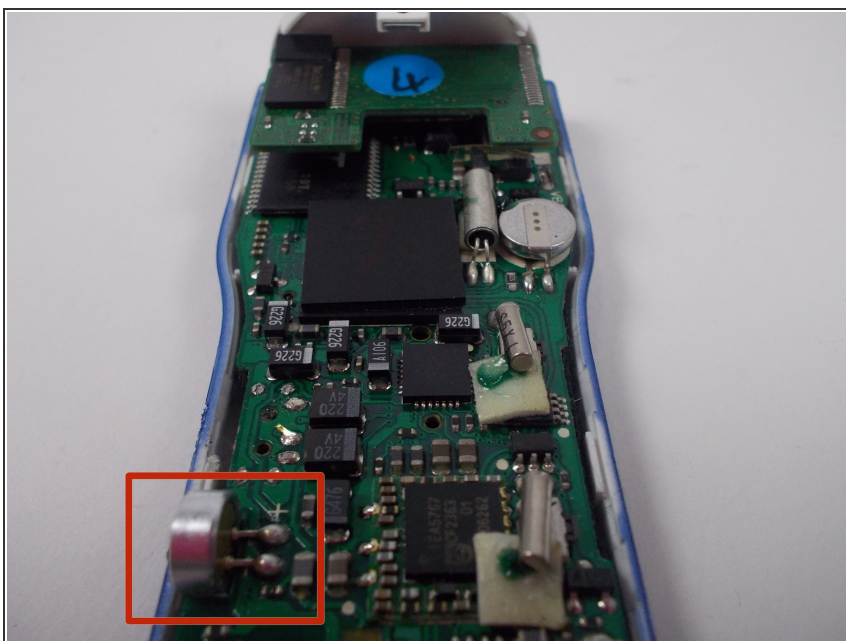
- The part of the casing which houses the USB Jack and headphone jack is the final part which will have to be pried.
- Two clips are the only thing holding this portion of the casings together.
- Once again, gently pry the two outer casings apart by pulling them away from one another.

## Step 7



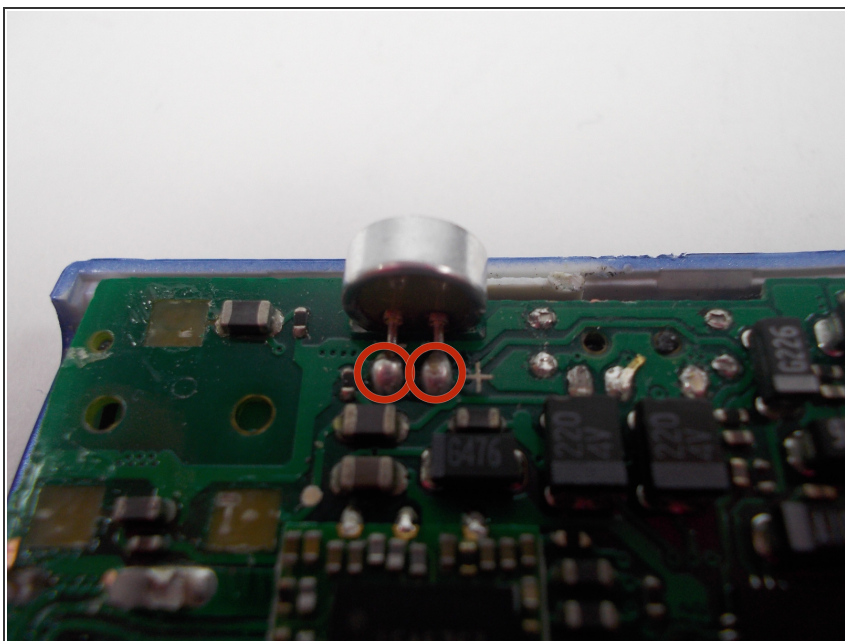
- You now have access to all components found on the inside of the device!

## Step 8 — Microphone



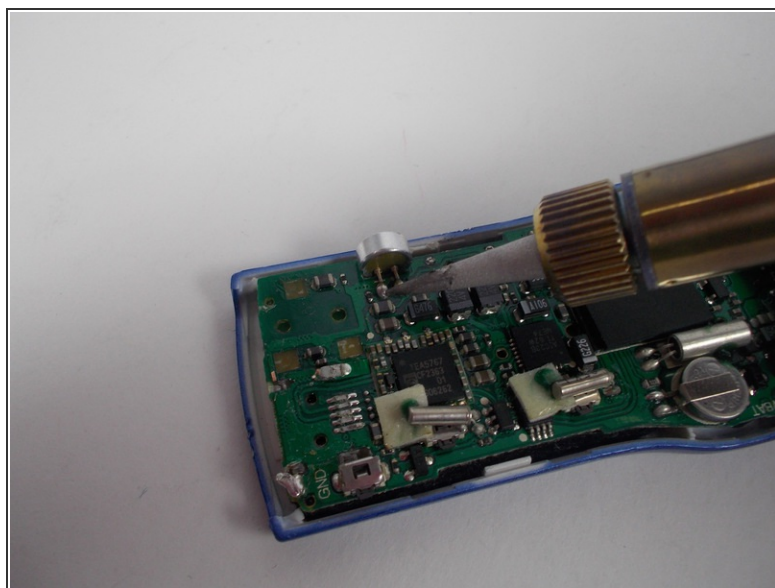
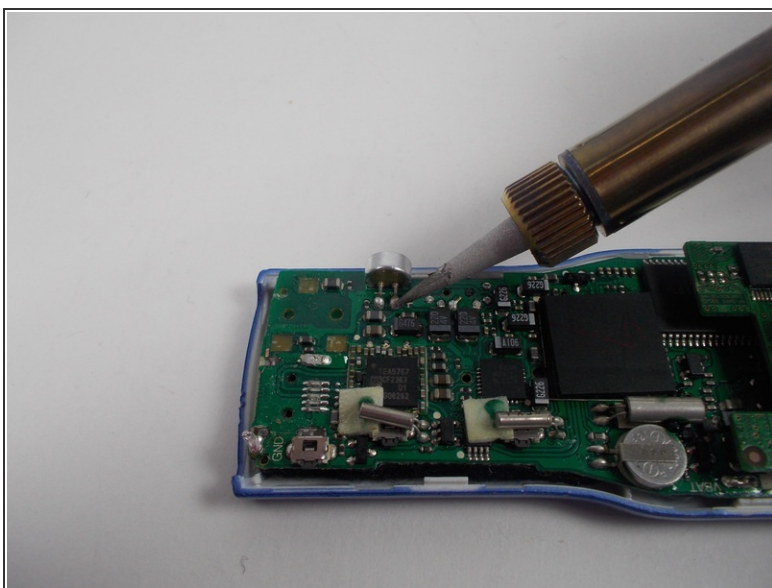
- Locate microphone on motherboard.

## Step 9



- Find where microphone is connected to motherboard via solder.

## Step 10



- Use the soldering iron to liquefy the solder connecting the microphone to the motherboard.



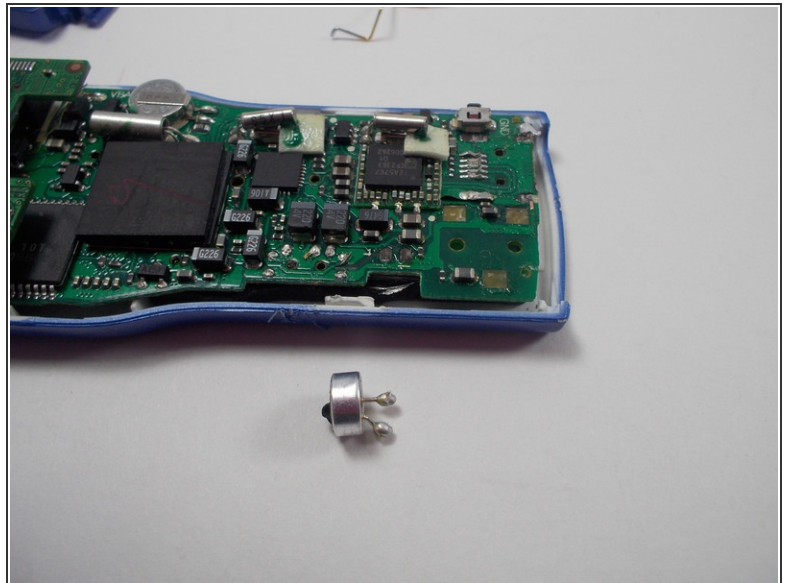
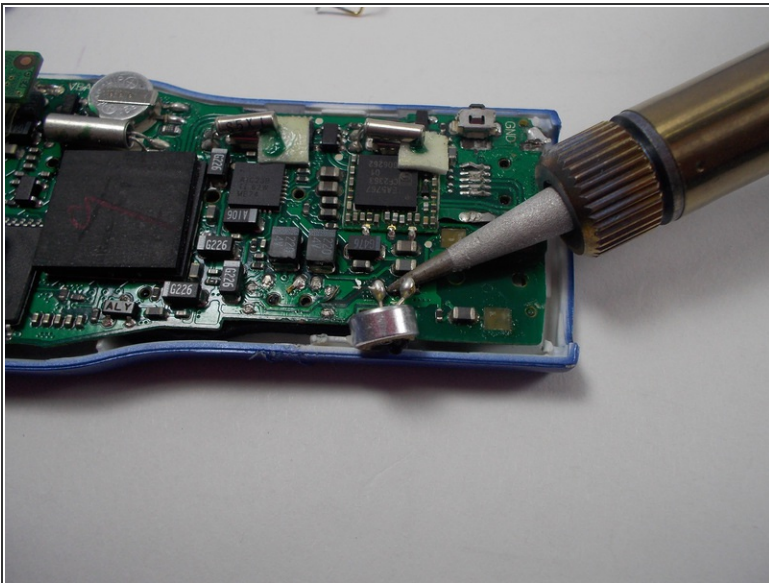
## Step 11



⚠ The solder and soldering iron will be very hot at this time. Do not touch unless wearing protective gloves as you will be burnt.

- When not in use, be sure to always elevate the hot end of the soldering iron on a metal stand to prevent incidental burns.

## Step 12



- Remove the faulty microphone as you heat and melt the soldering points.

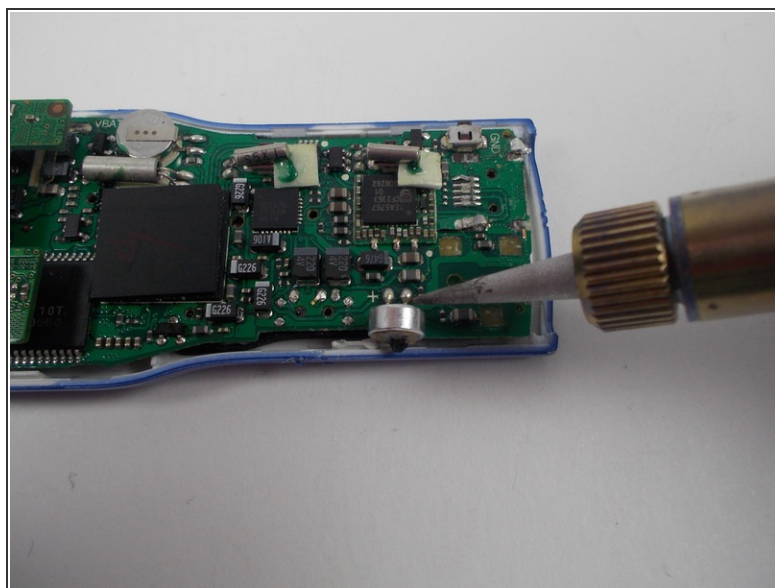
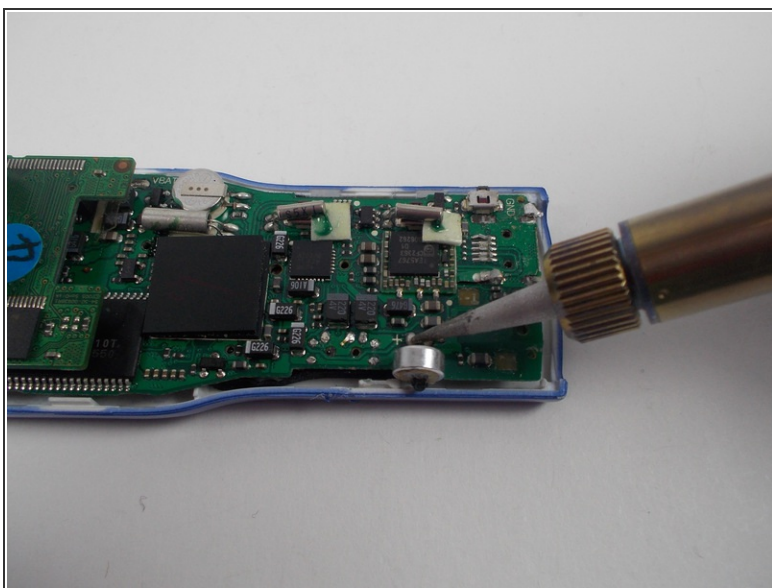


## Step 13



- Replace the faulty microphone with a new one in working order.

## Step 14



- With the new microphone in place, use the soldering iron and solder to create a stable connection between the motherboard and microphone.
- Give the new solder time to cool and harden.

To reassemble your device, follow these instructions in reverse order.

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